

Pantex

Legacy Beryllium Issues - Construction Projects

10//2004

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History

- ❑ Beryllium operations at Pantex involve finished beryllium components.
- ❑ No significant facility contamination was expected

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History (cont)

- ❑ 34 facilities with 235 work areas identified as potentially contaminated.
- ❑ $3 \mu\text{g}/100\text{cm}^2$ used as cleaning criteria
- ❑ 38 work areas cleaned to as low as practical below $3\mu\text{g}/100\text{cm}^2$
- ❑ Most of contamination found in ceiling and inaccessible areas.



Original Conditions of Release

- ❑ Buildings formerly $<3 \mu\text{g}/100\text{cm}^2$ (not cleaned)
 - Released for all operations, maintenance, & construction

- ❑ Buildings formerly $\geq 3 \mu\text{g}/100\text{cm}^2$ (cleaned)
 - Released for normal operations & maintenance
 - Work involving demolition or removal of fixed equipment require beryllium work permit.



Construction Projects

- ❑ Facility Demolition
- ❑ Revamp of building for new mission
- ❑ Fire Alarm System Replacement (multiple)
- ❑ Warehouse roof replacement
- ❑ Facility Upgrade (2)



Additional Beryllium Associated Workers

- Subcontractors
 - Beryllium worker training
 - Offer of medical surveillance
 - PPE at workers discretion and employers expense
 - Monitoring



Revised Release Conditions

- ❑ All released for normal operations & maintenance
- ❑ $<0.2 \mu\text{g}/100\text{cm}^2$ – released for construction
- ❑ Originally $<3 \mu\text{g}/100\text{cm}^2$ cleaned to $<0.2 \mu\text{g}/100\text{cm}^2$ – released for construction
- ❑ Originally $>3 \mu\text{g}/100\text{cm}^2$ or $<3 \mu\text{g}/100\text{cm}^2$ and not cleaned – Require:
 - IH evaluation (beryllium work permit?)
 - Workers treated as beryllium associated workers

